

DEPARTMENT OF DEFENSE

Counterdrug Technology

Development
Program



Background

The Department of Defense Counterdrug Technology Development Program is an integral part of the national commitment to reduce the flow of illegal drugs in the United States. As part of National Drug Control Policy and Congressional legislation, the Department of Defense is directed to be the single lead agency to detect and monitor the flow of illegal drugs brought into the country, and to provide intelligence and communications support to law enforcement agencies in their efforts to counter illegal drug trafficking.

In 1996, The Naval Surface Warfare Center, Dahlgren Division, was selected to serve as the Executive Agent for the Department of Defense Counterdrug Technology Development Program. The goal of the technology development program is to enhance the effectiveness of the national counterdrug mission by providing new technology to the Defense and civilian forces engaged in counterdrug operations. This is accomplished by working closely with the counterdrug operational forces and agencies to determine their requirements; and working in partnership with industry, academia, and government laboratories to develop and demonstrate prototype systems. Prototypes are then transitioned to the operational agencies. The technology development program is managed in four thrust areas:

Non-Intrusive Inspection (NII)

- Develop prototype systems to rapidly inspect cargo containers, trucks, other vehicles, and packages
- Detect operationally significant quantities of illegal drugs and other contraband, quickly, with minimal delays to legitimate commercial shipping
- Construct and operate testbeds to evaluate prototypes

Tactical Operations Support

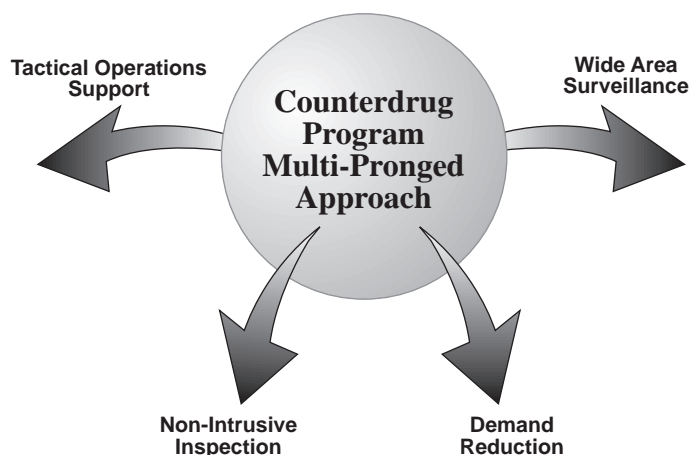
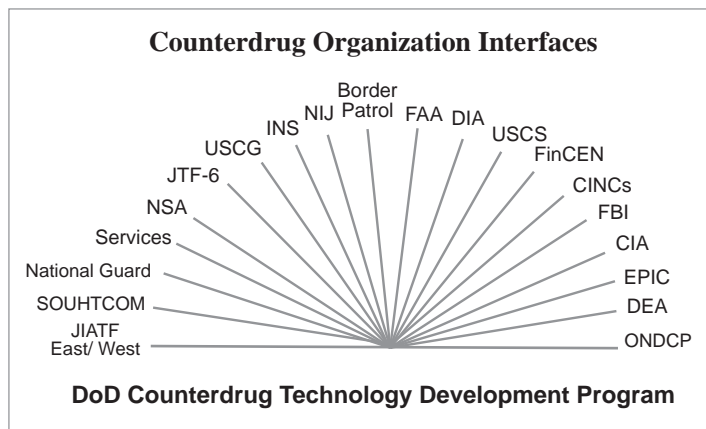
- Develop prototype equipment to assist agents in the disruption of the operation of illegal drug trafficking organizations
- Produce and develop prototype handheld devices for field agents and other systems/workstations for headquarters use

Wide Area Surveillance

- Develop prototype long-range sensors to detect and monitor the production and transport of illegal drugs
- Develop of related signal processing and C3 capabilities

Demand Reduction

- Develop technologies and prototype equipment to improve the effectiveness of hair, sweat, saliva, and urine testing to detect illicit use of LSD, cocaine, and marijuana



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NAVAL SEA SYSTEMS COMMAND



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